

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/538,171  
Source: PCT  
Date Processed by STIC: 6-27-05

# ***ENTERED***

**CRF Errors Edited by the STIC Systems  
Branch**

Serial Number:

10/538, 171

CRF Edit Date:

6-27-05

Edited by:

TL

\_\_\_ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

\_\_\_ Corrected the SEQ ID NO. Sequence numbers edited were:

\_\_\_\_\_

\_\_\_ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

\_\_\_\_\_

☒ Deleted: ☒ invalid beginning/end-of-file text ; \_\_\_ page numbers

\_\_\_ Inserted mandatory headings/numeric identifiers, specifically:

\_\_\_\_\_

\_\_\_ Moved responses to same line as heading/numeric identifier, specifically:

\_\_\_\_\_

\_\_\_ Other:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Raw Sequence Listing before editing,  
for reference only



PCT

## RAW SEQUENCE LISTING

DATE: 06/27/2005

PATENT APPLICATION: US/10/538,171

TIME: 16:15:12

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\06272005\J538171.raw

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4 <110> APPLICANT: Eldar-Finkelman, Hagit
6 <120> TITLE OF INVENTION: GLYCOGEN SYNTHASE KINASE-3 INHIBITORS
8 <130> FILE REFERENCE: 29724
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/538,171
C--> 10 <141> CURRENT FILING DATE: 2005-06-09
10 <160> NUMBER OF SEQ ID NOS: 19
12 <170> SOFTWARE: PatentIn version 3.2
14 <210> SEQ ID NO: 1
15 <211> LENGTH: 13
16 <212> TYPE: PRT
17 <213> ORGANISM: Artificial sequence
19 <220> FEATURE:
20 <223> OTHER INFORMATION: Synthetic peptide
23 <220> FEATURE:
24 <221> NAME/KEY: MOD_RES
25 <222> LOCATION: (11)..(11)
26 <223> OTHER INFORMATION: PHOSPHORYLATION
28 <400> SEQUENCE: 1
30 Lys Arg Arg Glu Ile Leu Ser Arg Arg Pro Ser Tyr Arg
31 1          5          10
34 <210> SEQ ID NO: 2
35 <211> LENGTH: 9
36 <212> TYPE: PRT
37 <213> ORGANISM: Artificial sequence
39 <220> FEATURE:
40 <223> OTHER INFORMATION: Synthetic peptide
43 <220> FEATURE:
44 <221> NAME/KEY: MOD_RES
45 <222> LOCATION: (7)..(7)
46 <223> OTHER INFORMATION: PHOSPHORYLATION
48 <400> SEQUENCE: 2
50 Ile Leu Ser Arg Arg Pro Ser Tyr Arg
51 1          5
54 <210> SEQ ID NO: 3
55 <211> LENGTH: 9
56 <212> TYPE: PRT
57 <213> ORGANISM: Artificial sequence
59 <220> FEATURE:
60 <223> OTHER INFORMATION: Synthetic peptide
62 <400> SEQUENCE: 3
64 Ile Leu Ser Arg Pro Pro Glu Tyr Arg
65 1          5
68 <210> SEQ ID NO: 4

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Input Set : A:\pto.kd.txt

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69 <211> LENGTH: 9  
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71 <213> ORGANISM: Artificial sequence  
73 <220> FEATURE:  
74 <223> OTHER INFORMATION: Synthetic peptide  
77 <220> FEATURE:  
78 <221> NAME/KEY: MOD\_RES  
79 <222> LOCATION: (7)..(7)  
80 <223> OTHER INFORMATION: PHOSPHORYLATION  
82 <400> SEQUENCE: 4  
84 Ile Leu Ser Arg Pro Pro Tyr Tyr Arg  
85 1 5  
88 <210> SEQ ID NO: 5  
89 <211> LENGTH: 13  
90 <212> TYPE: PRT  
91 <213> ORGANISM: Artificial sequence  
93 <220> FEATURE:  
94 <223> OTHER INFORMATION: Synthetic peptide  
97 <220> FEATURE:  
98 <221> NAME/KEY: MOD\_RES  
99 <222> LOCATION: (11)..(11)  
100 <223> OTHER INFORMATION: PHOSPHORYLATION  
102 <400> SEQUENCE: 5  
104 Lys Arg Arg Glu Ile Leu Ala Arg Arg Pro Ser Tyr Arg  
105 1 5 10  
108 <210> SEQ ID NO: 6  
109 <211> LENGTH: 9  
110 <212> TYPE: PRT  
111 <213> ORGANISM: Artificial sequence  
113 <220> FEATURE:  
114 <223> OTHER INFORMATION: Synthetic peptide  
117 <220> FEATURE:  
118 <221> NAME/KEY: MOD\_RES  
119 <222> LOCATION: (8)..(8)  
120 <223> OTHER INFORMATION: PHOSPHORYLATION  
122 <400> SEQUENCE: 6  
124 Ile Leu Ala Arg Arg Pro Ser Tyr Arg  
125 1 5  
128 <210> SEQ ID NO: 7  
129 <211> LENGTH: 11  
130 <212> TYPE: PRT  
131 <213> ORGANISM: Artificial sequence  
133 <220> FEATURE:  
134 <223> OTHER INFORMATION: Synthetic peptide  
137 <220> FEATURE:  
138 <221> NAME/KEY: MOD\_RES  
139 <222> LOCATION: (10)..(10)  
140 <223> OTHER INFORMATION: PHOSPHORYLATION  
142 <400> SEQUENCE: 7

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144 Lys Glu Glu Pro Pro Ser Pro Pro Gln Ser Pro

145 1 5 10

148 &lt;210&gt; SEQ ID NO: 8

149 &lt;211&gt; LENGTH: 11

150 &lt;212&gt; TYPE: PRT

151 &lt;213&gt; ORGANISM: Artificial sequence

153 &lt;220&gt; FEATURE:

154 &lt;223&gt; OTHER INFORMATION: Synthetic peptide

157 &lt;220&gt; FEATURE:

158 &lt;221&gt; NAME/KEY: MOD\_RES

159 &lt;222&gt; LOCATION: (10)..(10)

160 &lt;223&gt; OTHER INFORMATION: PHOSPHORYLATION

162 &lt;400&gt; SEQUENCE: 8

164 Lys Glu Glu Pro Pro Ala Pro Pro Gln Ser Pro

165 1 5 10

168 &lt;210&gt; SEQ ID NO: 9

169 &lt;211&gt; LENGTH: 11

170 &lt;212&gt; TYPE: PRT

171 &lt;213&gt; ORGANISM: Artificial sequence

173 &lt;220&gt; FEATURE:

174 &lt;223&gt; OTHER INFORMATION: Synthetic peptide

177 &lt;220&gt; FEATURE:

178 &lt;221&gt; NAME/KEY: MOD\_RES

179 &lt;222&gt; LOCATION: (10)..(10)

180 &lt;223&gt; OTHER INFORMATION: PHOSPHORYLATION

182 &lt;400&gt; SEQUENCE: 9

184 Lys Glu Ala Pro Pro Ala Pro Pro Gln Ser Pro

185 1 5 10

188 &lt;210&gt; SEQ ID NO: 10

189 &lt;211&gt; LENGTH: 11

190 &lt;212&gt; TYPE: PRT

191 &lt;213&gt; ORGANISM: Artificial sequence

193 &lt;220&gt; FEATURE:

194 &lt;223&gt; OTHER INFORMATION: Synthetic peptide

196 &lt;400&gt; SEQUENCE: 10

198 Lys Glu Glu Pro Pro Ala Pro Pro Gln Ser Pro

199 1 5 10

202 &lt;210&gt; SEQ ID NO: 11

203 &lt;211&gt; LENGTH: 11

204 &lt;212&gt; TYPE: PRT

205 &lt;213&gt; ORGANISM: Artificial sequence

207 &lt;220&gt; FEATURE:

208 &lt;223&gt; OTHER INFORMATION: Synthetic peptide

210 &lt;400&gt; SEQUENCE: 11

212 Lys Glu Glu Pro Pro Ala Pro Pro Gln Glu Pro

213 1 5 10

216 &lt;210&gt; SEQ ID NO: 12

217 &lt;211&gt; LENGTH: 7

218 &lt;212&gt; TYPE: PRT

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Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\06272005\J538171.raw

219 <213> ORGANISM: Artificial sequence  
 221 <220> FEATURE:  
 222 <223> OTHER INFORMATION: Synthetic peptide  
 225 <220> FEATURE:  
 226 <221> NAME/KEY: MOD\_RES  
 227 <222> LOCATION: (6)..(6)  
 228 <223> OTHER INFORMATION: PHOSPHORYLATION  
 230 <400> SEQUENCE: 12  
 232 Pro Ala Pro Pro Gln Ser Pro  
 233 1 5  
 236 <210> SEQ ID NO: 13  
 237 <211> LENGTH: 8  
 238 <212> TYPE: PRT  
 239 <213> ORGANISM: Artificial sequence  
 241 <220> FEATURE:  
 242 <223> OTHER INFORMATION: Synthetic peptide  
 244 <400> SEQUENCE: 13  
 246 Glu Pro Pro Ala Pro Arg Arg Glu  
 247 1 5  
 250 <210> SEQ ID NO: 14  
 251 <211> LENGTH: 6  
 252 <212> TYPE: PRT  
 253 <213> ORGANISM: Artificial sequence  
 255 <220> FEATURE:  
 256 <223> OTHER INFORMATION: Synthetic peptide  
 258 <400> SEQUENCE: 14  
 260 Glu Pro Pro Ala Pro Arg  
 261 1 5  
 264 <210> SEQ ID NO: 15  
 265 <211> LENGTH: 26  
 266 <212> TYPE: PRT  
 267 <213> ORGANISM: Artificial sequence  
 269 <220> FEATURE:  
 270 <223> OTHER INFORMATION: Synthetic peptide  
 273 <220> FEATURE:  
 274 <221> NAME/KEY: MOD\_RES  
 275 <222> LOCATION: (21)..(21)  
 276 <223> OTHER INFORMATION: PHOSPHORYLATION  
 278 <400> SEQUENCE: 15  
 280 Tyr Arg Arg Ala Ala Val Pro Pro Ser Pro Ser Leu Ser Arg His Ser  
 281 1 5 10 15  
 284 Ser Pro Ser Gln Ser Glu Asp Glu Glu Glu  
 285 20 25  
 288 <210> SEQ ID NO: 16  
 289 <211> LENGTH: 12  
 290 <212> TYPE: PRT  
 291 <213> ORGANISM: Artificial sequence  
 293 <220> FEATURE:  
 294 <223> OTHER INFORMATION: Synthetic peptide

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297 <220> FEATURE:
298 <221> NAME/KEY: misc_feature
299 <223> OTHER INFORMATION: N'-myristolated peptide
301 <220> FEATURE:
302 <221> NAME/KEY: MOD_RES
303 <222> LOCATION: (11)..(11)
304 <223> OTHER INFORMATION: PHOSPHORYLATION
306 <400> SEQUENCE: 16
308 Gly Lys Glu Ala Pro Pro Ala Pro Pro Gln Ser Pro
309 1          5          10
312 <210> SEQ ID NO: 17
313 <211> LENGTH: 13
314 <212> TYPE: PRT
315 <213> ORGANISM: Artificial sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: Synthetic peptide
321 <220> FEATURE:
322 <221> NAME/KEY: misc_feature
323 <223> OTHER INFORMATION: N'-myristolated peptide
325 <400> SEQUENCE: 17
327 Gly Lys Glu Ala Pro Pro Ala Pro Pro Gln Ser Glu Pro
328 1          5          10
331 <210> SEQ ID NO: 18
332 <211> LENGTH: 12
333 <212> TYPE: PRT
334 <213> ORGANISM: Artificial sequence
336 <220> FEATURE:
337 <223> OTHER INFORMATION: Synthetic peptide
339 <400> SEQUENCE: 18
341 Gly Lys Glu Ala Pro Pro Ala Pro Pro Gln Ser Pro
342 1          5          10
345 <210> SEQ ID NO: 19
346 <211> LENGTH: 5
347 <212> TYPE: PRT
348 <213> ORGANISM: Artificial sequence
350 <220> FEATURE:
351 <223> OTHER INFORMATION: Inhibitory peptide minimal consensus sequence
354 <220> FEATURE:
355 <221> NAME/KEY: misc_feature
356 <222> LOCATION: (2)..(4)
357 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
359 <220> FEATURE:
360 <221> NAME/KEY: MOD_RES
361 <222> LOCATION: (5)..(5)
362 <223> OTHER INFORMATION: PHOSPHORYLATION
364 <400> SEQUENCE: 19
W--> 366 Ser Xaa Xaa Xaa Ser
367 1          5

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RAW SEQUENCE LISTING ERROR SUMMARY  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:19; Xaa Pos. 2,3,4

VERIFICATION SUMMARY

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Input Set : A:\pto.kd.txt

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L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:366 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0